

For Immediate Release
October 1, 2010

2011 Annual Meeting: “Scientific and Policy Challenges of Particle Radiations in Medical Therapy and Space Missions”

(Register online: <http://registration.ncrponline.org>)

Exposures to particle radiations in cancer treatments and during space missions are increasing. The 2011 Annual Meeting of the National Council on Radiation Protection and Measurements (NCRP) will focus on the scientific and policy challenges of these medical and occupational exposures.

The meeting will begin with a discussion of applications, biological interactions, and potential risks, including carcinogenesis and normal tissue damage, associated with exposure to particle radiations. The presentations will describe both results and insights gained from laboratory cell and animal experiments, clinical trials, and studies on astronauts who have participated in space missions. Discussions will include the modeling of particle radiation track structure in tissue, molecular mechanisms of cell and tissue damage, biophysical models of interactions with living systems, and evaluation of individual susceptibility of humans to radiation effects.

The practical radiation protection aspects of human exposures to particle radiations will be discussed in depth, including those associated with medical applications and space missions. Shielding requirements for cancer treatment facilities and astronaut space craft will be discussed. Risk assessment modeling for decision making in operational planning and policies on dose control will also be described.

The meeting will conclude with presentations on future visions for achieving a greater understanding of the accelerator production of particle radiations, their medical applications, and potential health effects on astronauts by scientists from the U.S. Department of Energy, the National Institutes of Health, and the National Aeronautics and Space Administration.

The meeting will also feature the Eighth Annual Warren K. Sinclair Keynote Address by Dr. Marco Durante and the 35th Annual Lauriston S. Taylor Lecture will be presented by Dr. Eleanor Blakely.

The 2011 NCRP Annual Meeting will be held at the Hyatt Hotel and Convention Center in Bethesda, Maryland, on March 7-8. There will be no charge for registration. Those who plan to attend the meeting are asked to pre-register at the NCRP website <http://NCRPonline.org>, which also contains a more detailed agenda for the meeting.

For additional information contact David A. Schauer, ScD, CHP at schauer@NCRPonline.org, 301-657-2652, ext. 20, or 301-907-8768 (fax).

The National Council on
Radiation Protection and
Measurements

Media Contact:
DA Schauer, Executive Director
7910 Woodmont Avenue, Suite 400
Bethesda, Maryland 20814-3095
Telephone: (301) 657-2652
Fax: (301) 907-8768
<http://NCRPonline.org>
<http://NCRPpublications.org>